

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/JP 03/15957

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K38/21 A61K9/19

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X, P | US 2003/101995 A1 (FUKUNAGA YUICHIRO ET AL) 5 June 2003 (2003-06-05) page 25 -page 26; examples 27-37 page 25; claims 1-63; table 3 --- | 1-27 |
| A | WO 95 31479 A (SATO OICHIRO ;KIMURA NARINOBU (JP); INHALE THERAPEUTIC SYST (US);) 23 November 1995 (1995-11-23) page 2, line 1-5, 18-28 --- | 1-27 |
| A | US 4 752 466 A (SAFERSTEIN LOWELL ET AL) 21 June 1988 (1988-06-21) abstract ----- | 1-27 |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

26 February 2004

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09/03/2004

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Information on patent family members

International Publication No

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| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|-------------------------------------------|----|---------------------|----------------------------|---------------------|
| US 2003101995 | A1 | 05-06-2003 | WO 02102445 A1 | 27-12-2002 |
| WO 9531479 | A | 23-11-1995 | AU 696387 B2 | 10-09-1998 |
| | | | AU 2514295 A | 05-12-1995 |
| | | | CA 2190502 A1 | 23-11-1995 |
| | | | CN 1151168 A ,B | 04-06-1997 |
| | | | EP 0759939 A1 | 05-03-1997 |
| | | | JP 10500672 T | 20-01-1998 |
| | | | NZ 285664 A | 28-07-1998 |
| | | | US 2002127188 A1 | 12-09-2002 |
| | | | WO 9531479 A1 | 23-11-1995 |
| | | | US 2003072718 A1 | 17-04-2003 |
| | | | US 2003086877 A1 | 08-05-2003 |
| | | | US 2003198601 A1 | 23-10-2003 |
| | | | US 6509006 B1 | 21-01-2003 |
| | | | US 6123936 A | 26-09-2000 |
| | | | US 6372258 B1 | 16-04-2002 |
| | | | US 6479049 B1 | 12-11-2002 |
| | | | US 6673335 B1 | 06-01-2004 |
| | | | US 6231851 B1 | 15-05-2001 |
| US 4752466 | A | 21-06-1988 | NONE | |